

Goat Protease, Serine 1 ELISA Kit | PRSS1 elisa kit

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CATALOG #
AAA91088

REACTIVITY
Goat

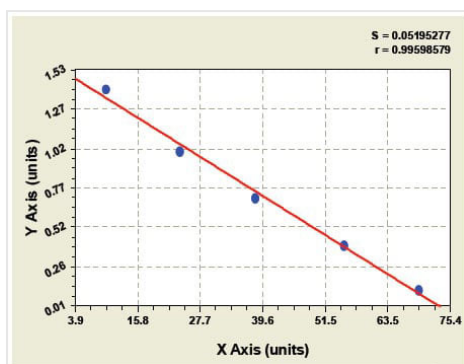
PRODUCT SYNONYMS

Protease; Serine 1; Goat Protease; Serine 1 ELISA Kit; PRSS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PRSS1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat PRSS1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample C)

ADDITIONAL INFORMATION

Related Product Information for PRSS1 elisa kit

Principle of the Assay: PRSS1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PRSS1 antibody and an PRSS1-HRP conjugate. The assay sample and buffer are incubated together with PRSS1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PRSS1 concentration since PRSS1 from samples and PRSS1-HRP conjugate compete for the anti-PRSS1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRSS1 from the sample, fewer sites are left to bind PRSS1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRSS1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PRSS1 elisa kit

Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	74355190
NCBI GeneID	5644
UniProt Accession #	P07477; Q5NV57; Q7M4N3; Q7M4N4; Q92955; Q9HAN4; Q9HAN5; Q9HAN6; Q9HAN7; A1A509; A6NJ71; B2R5I5; Q45KI0; Q53ZF3; Q53ZV8; Q53ZX7; Q53ZX8; Q53ZX9; Q7Z445; Q7Z5P3; Q7Z5Y9
Molecular Weight	26,558 Da
NCBI Official Full Name	PRSS1 protein
NCBI Official Synonym Full Names	protease, serine, 1 (trypsin 1)
NCBI Official Symbol	PRSS1
NCBI Official Synonym Symbols	TRP1; TRY1; TRY4; TRYP1
NCBI Protein Information	trypsin-1; beta-trypsin; trypsinogen 1; trypsinogen A; digestive zymogen; cationic trypsinogen; nonfunctional trypsin 1
UniProt Protein Name	Trypsin-1
UniProt Gene Name	PRSS1
UniProt Synonym Gene Names	TRP1; TRY1; TRYP1
UniProt Entry Name	TRY1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/prss1-goat-elisa-kits/protease-serine-1/91088>